

SKID DETAIL

TYPE "B"

TYPE "A"

2'-0'' MIN.

PAVEMENT

PORTLAND - CEMENT

CONCRETE

PAVEMENT

SUB-BASE

SUBGRADE -

APPROVED

2'-0''

DIRECTOR OF PROGRAM DEVELOPMENT

FEDERAL HIGHWAY ADMINISTRATION

D+2'

MAXIMUM

SLEEVE FOR

UTILITIES

EXCAVATED

MATERIAL

(BACKFILL)

D+2'

MAXIMUM

REVISIONS AND CORRECTIONS

SEPT. 9. 1975 - CARRIER PIPE AND PORTLAND CEMENT

1986 SPECIFICATIONS

UNDER NEW SIGNATURES.

UNDER NEW SIGNATURES.

DESIGN CRITERIA

NOTES REVISED

MARCH 3, 2003 - REVISED TO REFLECT CURRENT

OCT. 30. 1985 - REVISED TO CONFORM WITH

JUNE 1, 1994 - REISSUED, WITHOUT CHANGE,

MAR. 10, 1995 - REISSUED, WITHOUT CHANGE,

DEC. 23, 1974 - ORIGINAL APPROVAL

SUBBASE —

MATERIAL

SUBGRADE

LINE

HIGHWAY CROSSING SLEEVES
FOR UNDERGROUND UTILITIES

BEVEL SKID ENDS

NOTCH SKIDS TO PREVENT

STRAPPING REQUIREMENTS.

STAINLESS STEEL STRAP

CONCRETE OR STEEL

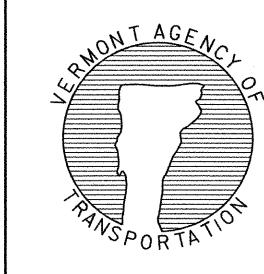
ENCASEMENT SLEEVE

CARRIER PIPE

BLOCKING (SKIDS)

DAMAGE TO STRAPPING.

NOTCH WIDTH TO MATCH



I. SKIDS SHALL BE HARDWOOD, NEOPRENE, NYLON, PLASTIC, OR OTHER MATERIAL OF HIGH ABRASION

APPROVED BY THE ENGINEER.

BANDS PER SKID LENGTH.

RESISTANCE AND A LOW FRICTION COEFFICIENT

2. METAL STRAPS AND CLIPS HOLDING BLOCKING TO

A MINIMUM CROSS SECTION OF 0.014 SQ. INCHES.

THROUGH THE SLEEVE SO THAT JOINTS
ARE ALWAYS BEING COMPRESSED.
4. CARRIER PIPE SHALL BE WRAPPED WITH ASPHALT

3. CARRIER PIPE SHALL BE PUSHED OR PULLED

TREATED FELT AT THE MASONRY PLUGS.

5. THE MASONRY PLUG SHALL BE WATERTIGHT.

THE CARRIER PIPE SHALL BE STAINLESS STEEL WITH

STRAP SPACING SHALL BE A MINIMUM OF TWO (2)

PAVEMENT.

DENSITY.

STANDARD

6. BITUMINOUS CONCRETE PAVEMENTS SHALL BE REPLACED WITH BITUMINOUS CONCRETE PAVEMENT AT THE SAME THICKNESS OF

THE PAVEMENT BEING REMOVED, AND IN ACCORDANCE WITH THE

WITH EXCAVATED MATERIAL, OR AS DIRECTED BY THE ENGINEER.

7. THE DIAMETER OF THE ENCASEMENT SLEEVE SHALL BE EQUAL TO THE DIAMETER OF THE CARRIER PIPE PLUS TWELVE (12) INCHES.

(SEE VAOT SPECIFICATIONS, SECTION 625, FOR EXCEPTIONS.)

LIFTS AND COMPACTED TO NOT LESS THAN 95% MAXIMUM DRY

VAOT STANDARD SPECIFICATIONS FOR CONSTRUCTION, SECTION 406.
PORTLAND CEMENT CONCRETE PAVEMENT AND SUBBASE ARE TO BE
REPLACED IN KIND. MATERIAL BELOW SUBGRADE TO BE REPLACED

ALL BACKFILL MATERIAL SHALL BE MADE IN SIX (6) INCH MAXIMUM